

Appln. No. 09/818,376

Attorney Docket No. 10541-499

**I. Listing of Claims**

1. (Currently Amended): A method for remotely controlling a vehicle subsystem, the method comprising:

    sending a first control signal from a remotely located service center transmitter to a vehicle control unit receiver;

wirelessly transmitting a second control signal indicative of the first control signal from a wireless in-vehicle transmitter in communication with the vehicle control receiver to a vehicle subsystem controller having a wireless subsystem receiver for receiving the second control signal; and

    actuating the vehicle subsystem in response to the received second control signal.

2. (Previously Presented): The method of claim 1 wherein sending a first control signal further comprises sending the first control signal to actuate a vehicle door lock.

3. (Previously Presented): The method of claim 1 wherein sending a first control signal further comprises sending the first control signal to actuate a vehicle horn.

4. (Previously Presented): The method of claim 1 wherein sending a first control signal further comprises sending the first control signal to actuate a vehicle global positioning receiver.

-2-



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Appln. No. 09/818,378

Attorney Docket No. 10541-499

5. (Previously Presented): The method of claim 1 wherein sending a first control signal further comprises transmitting a radio frequency control signal to a vehicle telematics unit.

6. (Previously Presented): The method of claim 1 wherein transmitting the first control signal further comprises transmitting an infrared control signal to the vehicle subsystem controller.

7. (Original): The method of claim 1 wherein the vehicle subsystem controller is a remote keyless entry system controller.

8. (Currently Amended): A system for remotely controlling a vehicle subsystem, the system comprising:

a remote transmitter for sending a first control signal from a remotely located service center;

a first wireless in-vehicle receiver in communication with the remote transmitter for receiving the remotely transmitted first control signal;

an in-vehicle wireless transmitter in communication with the first in-vehicle receiver for wirelessly transmitting a second control signal indicative of the first control signal;

a second wireless in-vehicle receiver connected to the vehicle subsystem and in communication with the in-vehicle transmitter for wirelessly receiving the second control signal from the in-vehicle transmitter and communicating the second control signal to the vehicle subsystem; and

-3-

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Attorney Docket No. 10541-499

wherein the vehicle subsystem is actuated in response to the received second control signal.

9. (Currently Amended): The system of Claim 8, wherein the second wireless in-vehicle receiver is a remote keyless entry system having an infrared receiver for receiving the transmitted second control signal.

10. (Original): The system of claim 8 wherein the vehicle subsystem is a vehicle door lock.

11. (Original): The system of claim 8 wherein the vehicle subsystem is a vehicle horn.

12. (Original): The system of claim 8 wherein the vehicle subsystem is a vehicle global positioning receiver.

13. (Currently Amended): A method for remotely controlling a vehicle subsystem using a remote keyless entry system, the method comprising:

receiving a request at a remote service center to actuate the vehicle subsystem;

determining whether the request is valid;

transmitting a first control signal indicative of the request from the remote service center to a vehicle having the vehicle subsystem;

receiving the first control signal in the vehicle;

-4-



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Appin. No. 09/818,376

Attorney Docket No. 10541-499

wirelessly transmitting a second control signal indicative of and in response to the first control signal to a controller of the remote keyless entry system; and  
actuating the vehicle subsystem in response to the second control signal received by the controller of the remote keyless entry system.

14 - 18. (Cancelled)

19. (Currently Amended): A system for remotely controlling a vehicle subsystem using a remote keyless entry system, the system comprising:

a remote transmitter for broadcasting a first control signal from a remote service center to a vehicle having the remote keyless entry system upon a request of a user of the system;

an a wireless in-vehicle receiver for receiving the first control signal, wherein the first control signal is indicative of an operational state of the vehicle subsystem;

an a wireless in-vehicle transmitter of the remote keyless entry system in communication with the wireless in-vehicle receiver for transmitting a second control signal that is indicative of the first control signal to a controller of the remote keyless entry system;

a remote keyless entry receiver connected to the controller for communicating the second control signal to the controller, and

wherein the operational state of the vehicle subsystem is altered in response to the second control signal received by the controller of the remote keyless entry system.

-5-

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20. (Original): The system of Claim 19, further comprising an operator interface for interacting with the remote service center.

21. (Original): The system of Claim 20, wherein the operator interface for interacting with the remote service center is a cellular phone.

22. (Original): The system of Claim 21, wherein the cellular phone has a head unit worn by a vehicle operator to communicate requests from the service center.

23. (Previously Presented): The system of Claim 20, wherein the operator interface for interacting with the remote service center is a rear view mirror.

24. (Currently Amended): The system of Claim 19, wherein the wireless in-vehicle transmitter is an infrared transmitter for communicating with the controller of the remote keyless entry system.

25. (Previously Presented): The system of Claim 19, wherein the remote keyless entry receiver is an infrared receiver which is in communication with the controller of the remote keyless entry system.

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-6-

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